

Amendments to the Claims:

The following listing of claims will replace all previous versions and listings of claims:

Claims:

Claims 1-20, inclusive are cancelled.

21. (New) Non-reciprocating electric motor and a reciprocating pump operatively connected to the motor for being driven by the motor, comprising:

- (a) a metal housing assembly having first and second ends;
- (b) a metal first bearing mounted in the housing, the first bearing having a plurality of rolling elements positioned between first inner and outer races ;
- ④ a metal second bearing mounted in the housing and spaced away from the first bearing, the second bearing having a plurality of rolling elements positioned between second inner and outer races;
- (d) a metal rotor assembly including a metal shaft having first and second ends mounted in the first and second bearings, respectively, such that the shaft has a predetermined amount of axial and radial play relative to the housing;
- (e) a metal biasing element positioned between one of the shaft or the housing and one of the bearings, the biasing element for initially

urging the shaft to a preloaded position relative to the housing, wherein the first inner race and the second inner race are locked into respective fixed positions to the shaft and the first outer race and the second outer race are locked into respective fixed positions to the housing to prevent axial and radial movement of each of the first inner race and the second inner race relative to the shaft and the first outer race and the second outer race relative to the housing, such that the shaft is locked in the preloaded position to prevent reciprocating axial and radial movement during motor operation;

- (f) a reciprocating pump, the shaft of the motor operatively connected to the pump for converting non-reciprocating motion of the shaft to reciprocating pumping motion; and
- (g) the housing assembly, rolling elements, races, bearings, and shaft of the motor having respective coefficients of thermal expansion selected so that the rolling elements, races, bearings, and shaft contract and expand during varying thermal conditions while remaining in their respective locked, preloaded position during motor operation due to the selected coefficients of thermal expansion.

22. (New) The non-reciprocating electric motor and reciprocating pump of claim 21, wherein the biasing element comprises a spring positioned between the rotor assembly and the first or second inner race.

23. (New) The non-reciprocating electric motor and reciprocating pump of claim 21, wherein the biasing element comprises a spring positioned between the housing and the first or second outer race.

24. (New) The non-reciprocating electric motor and reciprocating pump of claim 21, wherein the housing assembly comprises:

a generally cylindrical housing including an axially extending portion with a front end plate connected to a front end thereof; and
an end bell attached to a rear end of the housing.

25. (New) The non-reciprocating electric motor and reciprocating pump of claim 21, wherein the bearings are constructed from high carbon chromium steel and the housing assembly and the rotor assembly are constructed from 400 series stainless

steel.

26. (New) The non-reciprocating electric motor and reciprocating pump of claim 21, wherein the coefficients of thermal expansion of the housing assembly, the balls, races, bearings, and the shaft are selected so that the rotor assembly will be retained in the preloaded position over a temperature range of about -40⁰ C to about 105⁰ C.